- - 56. The method of claim 39 wherein said biological sample and said control biological sample are from one or more genetically identical individuals.

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57. The method of claim 56 wherein the individual is a human.

58. The method of claim 27 wherein said biological sample and said control biological sample are from one or more genetically identical individuals.

59. The method of claim 58 wherein the individual is a human.

60. A method of identifying a marker diagnostic, prognostic or indicative of appropriate therapy for a disease state, comprising:

a) obtaining a biological sample from a subject having obesity, osteoporosis, diabetes, osteoarthritis or hypertension;

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b) determining levels of proteins in the proteome in said biological sample;

c) comparing the levels of each protein in said proteome to levels of said each protein in the proteome of a control biological sample from a subject not having the disease state or a control standard; and

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d) determining which proteins have statistically significantly higher or lower levels in each sample, wherein said markers have a statistically significantly higher or lower level in comparison between the two samples.

61. The method of claim 60 wherein said biological sample and said control biological sample are from one or more genetically identical individuals.

62. The method of claim 61 wherein the individual is a human.

63. The marker diagnostic, prognostic or indicative of appropriate therapy for a disease state determined by the method of claim 60.